Volume 15

JANUARY TO DECEMBER 1970

nuclear engineering INTERNATIONAL

IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London S.E.1

INDEX TO VOLUME 15

Number	Month	Pages	Number	Month	Pages	Number	Month	Pages
164	January	Ja 1-66	168	May	My 377-466	172	September	S 655-752
165	February	F 67-152	169	June	Jn 467-548	173	October	O 763-850
166	March	Mr 153-306	170	July	Jy/ Au 549-654	174	November	N 851-956
167	April	A 307-376	171	August		175	December	D 957-1044

NOTE: Most major nuclear projects are classified by country under **Power Stations** and by type under **Reactors**

A

ACCELERATORS
- CERN accelerator developments, My, 384
- CERN Council meeting, A, 314
- CERN meeting postponed, Mr, 160
- 300 GeV proposals, N, 859
- Records broken in ISR tests, D, 964
- The SIN ring cyclotron project, My, 428-9
- Simulated fast flux damage tests, D, 970

ACCIDENTS
- Crane crash on Pickering 3 damages building exterior, F, 73
- Disintegrating turbines, O, 778
- Unloading of Lucens fuel, N, 862

AGREEMENTS
- AGR agreement; Japan-U.K., My, 387
- Agreement with W. Germany and Pakistan, Jy-Au, 564
- Al buy U.K.AEA FBR fuel licence, S, 661
- Allied Gulf reprocessing, A, 318
- Allis-Chalmers/Siemens link, A, 320
- Anglo-Swedish collaboration, S, 669
- Babcock-NUKEM agreement, A, 320
- Breeder Association – extra member, S, 668
- Breeder technology pact, Jy-Au, 562
- Centrifuge agreement, Ja, 8
- Centrifuge agreement signed, A, 314
- Civil engineering pact, Japan-U.K., S, 671
- Co-operation with U.A.R. by India, D, 967
- Co-operation with U.S.S.R. by Germany, D, 967
- Dragon agreement, Ja, 8
- Euratom-U.K. agreement, A, 314
- Fast reactor agreement, Japan-U.K., Jy-Au, 564
- Fast reactor collaboration, Norway-U.K., My, 387
- Finnish supply agreement, Ja, 9
- France supports PEC fast test reactor project, Jn, 473
- Gas cooled breeder study group set up in Europe, Ja, 7
- Gulf-Itoh agreement, My, 389
- Heavy water agreement, Italy-Canada, N, 861
- HTGR agreement, Jy-Au, 567
- HTGR sole agency in Japan, Mr, 166
- HTR firms rationalised, Ja, 10
- Joint U.S.-U.S.S.R. research, N, 863
- More join GBR group, Jn, 474
- New arrangements for Dungeness B, O, 778
- Siemens agreement with Westinghouse, S, 668
- Terms agreed on three-nation centrifuge plans, F, 74
- Toll enrichment, O, 779
- U.K.-Swedish breeder pact, D, 968
- U.K.-Canada agreement renewed, N, 860
- Uranium deals ahead, Mr, 160
- U.S.-Euratom deal is easier, Ja, 8
- U.S.-F.G.R. uranium enrichment deal, S, 661

ALBANIA
- Nuclear centre opens, D, 967

APPLIED RADIATION
- Cobalt-60 in megacuries, D, 966
- Food preservation, D, 964
- Heart pacemaker, Jn, 475
- Heart pacemakers, Jy-Au, 566
- Irradiation facility for Japan, A, 317
- Irradiators for wood/plastic, My, 386
- Irradiated mushrooms, F, 78
- Nuclear techniques team, Jy-Au, 566
- Pacemaker agreement, S, 668
- Third submerged generator, Ja, 9

ARTICLES
- Application of in-core instrumentation systems, by B. Schallopp, Jy-Au, 604-6
- Atomics International commercial nuclear activities, by W. T. Morgan, N, 917-8
- Beznau, by F. Aemmer, H. Albers and Z. J. Doron, My, 429-31
- Burnable poison dispersion in UO_2 fuel, by A. J. Filpot, H. Van den Broeck, A. Delbrassine and R. Gilissen, A, 345-9
- Canning materials for fast reactor fuel rods, by Goran Lagerberg and Lennart Egnell, Mr, 203-7
- Castings for the nuclear industry, by F. W. Kamber, 439-41
- Columbia fuel manufacturing plant, by L. D. Smith, O, 817-21
- Combustion engineering and nuclear power, by Walter H. Zinn, N, 920-2
- Components for nuclear plants, by Sulzer, My, 437-9
- Construction and Installation work at Oskarshamn, by R. Wassberg and L. B. Nilsson, D, 995-8
- Construction and site work at Pickering, by F. H. Smuck, Jn, 516-20
- Control rods for water reactors, by H. J. Snyder, A, 350-52
- Core physics for Pickering, by P. C. Lōken, Jn, 506-7
- Development of nuclear technology in Switzerland, by Dr. P. Feuz, My, 422-3
- Electric utilities' approach to nuclear power in the U.S.A., by John J. Kearney, N, 906-8
- The energy situation and the role of nuclear power, by Nils Holmin, S, 699-703
- Environmental matters concerning nuclear electrical power production, by J. J. Dinunno and S. Levine, Jy-Au, 607-12
- Fuel fabrication at ASEA-Atom, by Sven Brandberg, S, 709-710
- Fuel and Fuel Cycle for Oskarshamn, by B. Almgren, F. Hetzler, S. Junkrans, A. van Santen and F. Segerberg, D, 992-5
- Fuel and fuel cycle for Pickering, by G. R. Fanjoy and A. S. Bain, Jn, 514-5
- Fuel handling facilities and radioactive treatment plant for Palisades, by W. K. Wihelm, Ja, 37-39
- Government in the field of atomic research, by Dr. J. M. Pictet, My, 420-21
- Gulf General Atomic, by John W. Landis, N, 922-4
- High burnup irradiation experience in Vulcain, by J. Storrer and D. H. Locke, F, 93-9
- Ice condenser reactor containment system, by Sterling J. Weems, Walter G. Lyman and P. B. Haga, Ja, 47-50
- Improving AGR economics by reducing initial loading, by A. W. Clarke and D. V. Freck, Ja, 43-6
- In-core neutron flux detectors for power reactors, by A. Goodings, Jy-Au, 599-602
- Issues before the Joint Committee on Atomic Energy, N, 908-9
- Manufacturing problems of advanced fuels, by H. Bairiot, P. Haubert, P. Libotte and J. Storrer, O, 811-17
- Marviken-background to the decisions, by AB Atomenergi staff, edited by P. H. Margen, Jn, 527-8
- Mechanical design of the Pickering core, by C. A. Simmonds, Jn, 508-10
- Mühleburg, by H. R. Lutz, My, 432-3
- 50 MW Sodium component test facility, D, 1007-1008
- Natural water distillation plant, by Anatol Selecki, S, 717-19
- Not LMFBR or GCFR but FBR, by C. A. Rennie, Jy-Au, 629-31
- Nuclear Activities of Babcock & Wilcox, by G. L. Dunn, N, 919
- Nuclear activities of General Electric, by Dr. A. Eugene Schubert, N, 925-7
- Nuclear consulting engineering activities, by D. V. Streeton and P. Graf, My, 434
- Nuclear fuel contracting alternatives and problems, by J. J. Stobbs, O, 803-808
- Nuclear fuel cycle industry in the U.S.A., by Sol Sandhaus, N, 913-16
- Nuclear industry in Sweden, by Sten Sandström, S, 703-5
- Nuclear industry issues and objectives in the U.S.A., by Charles Robbins, N, 905-6
- The nuclear promise, by General Electric staff, Jy-Au, 613-16
- Nuclear steam supply unit for Palisades, by V. C. Hall, Ja, 34-6
- Oconee fuel assembly design and fuel handling system, by G. C. Mattox, A, 342-4
- Oconee nuclear power plant, A, 337-8
- Oconee nuclear steam supply system, by D. W. Montgomery, A, 339-41
- Operating experience, by M. A. Khan and M. Ristic, Jn, 521-6
- Oskarshamn and Barsebäck, S, 712-13
- Oskarshamn nuclear power station, by Olle G. Gimstedt, D, 987-9
- Oskarshamn reactors I and II – Salient Features, by I. Haga, D, 989-92
- Palisades PWR nuclear power station, by K. A. Swarts, Ja, 27-9
- Participation in nuclear projects, by Brown Boveri Staff, My, 435-6
- Perspective of environmental problems associated with nuclear power plants, by J. H. Wright and O. H. Davis, Jy-Au, 617-20
- Pickering generating station, by L. Moon, Jn, 501-5
- Pressurization improves fuel rod reliability, by H. M. Ferrari, Jy-Au 623-5
- The purchaser's point of view, by L. Cave, Jy-Au, 626-8
- Radiation monitoring equipment for Beznau, by A. Martinc, My, 442-4

Articles continued
Reactor development program in U.S.A., by M. Shaw, J. W. Landis, R. V. Laney, M. Rosenthal, W. H. Layman, N, 899-904
Regulatory procedures in the U.S.A., by Clifford K. Beck, N, 910-12
Research and development work leading up to the ASEA-ATOM BWR, by L. Leine and E. Tenerz, D, 999-1002
The SIN ring cyclotron project, by Dr. J. P. Blaser, My, 428-9
Single cable accommodation of 400 commands, by C. Manning, My, 444-5
Sitework and plant construction for Palisades, by J. D. Lescoe, Ja, 30-32
Sodium flow measurement in PFR by C. Thatcher, P. G. Bentley and G. McGonigal, O, 822-25
Sodium flow monitoring, by S. A. Dean, E. Harrison and A. Stead, D, 1003-1007
Sodium process instrumentation for the Dounreay PFR, by E. Duncombe and R. K. Thomasson, S, 714-17
Station control and NSS instrumentation for Palisades, by L. M. Johnson, Ja, 40-42
Station control at Pickering, by F. J. Key, Jn, 511-13
Steam and power conversion system for Palisades, by K. A. Swarts, Ja, 32-3
Studsvik – the Swedish nuclear R & D Centre, by P. H. Margen, S, 705-8
Survey of the U.S.A., introduced by Dr Glen T. Seaborg, Chairman. U.S.AEC, N, 897-8
Survey of Sweden, by Dr. Bo Aler, S, 697-713
Uddcomb's new workshop for heavy nuclear vessels by B. O. Hultkrantz, S, 710-12
University research, by Prof. Dr. W. Hälg, Prof. Dr. J. P. Schneeberger and Dr. J. M. Pictet, My, 421-2
Westinghouse nuclear activities, by Joseph C. Rengel, N, 928-9
Würenlingen research centre, by Dr. A. F. Fritzsche, My, 424-7

AUSTRALIA
Enrichment plant query, D, 965

B

BELGIUM
Nuclear outlook, S, 667

BIDS
Forsmark bids invited, D, 968
Forsmark bids soon, Jy-Au, 565
Mitsubishi claim lowest bid in Mexico, A, 313
More Finnish bids, A, 315
Nuclear tenders for South Africa, Jy-Au, 564
Tenders for Jervis Bay, A, 314

BOOKS
Atomic Physics, A, 358
Dictionary of Electronics and Nucleonics, by L. E. Hughes, R. W. B. Stephens and L. D. Brown, Jy-Au, 641
Economic Strategy for Developing Nuclear Breeder Reactors, by Paul W. MacAvoy, S, 724
Environmental Contamination by Radioactive Materials, A, 358
Experimental Neutron Thermalisation, by P. A. Egelstaff and M. J. Poole, Jy-Au, 641
Guide to the Periodic Inspection of Nuclear Reactor Steel Pressure Vessels, Jy-Au, 641
Handling of Radiation Accidents, A, 358
An Introduction to the Neutron Kinetics of Nuclear Power Reactors, by J. G. Tyror and R. I. Vaughan, S, 725
MHD Power Generation: Engineering Aspects, by G. J. Womack, S, 724
Nuclear Energy Costs and Economic Development, S, 725
Nuclear Reactions, by I. E. McCarthy, S, 725
Physics of Reactor Shielding, by Y. A. Kazanskii, *et al.*, F, 137
Power and Research Reactors in Member States, F, 137
Process Chemistry, Vol. 4, Edited by E. A. Mason and A. T. Gresky, S, 724
Radiation Damage in Reactor Materials, Jy-Au, 641
Small and Medium-size Power Reactors, F, 137
Who's Who in Atoms, A, 358

BUDGETS
AB Atomenergi budget, Mr, 167
Disappointments in AEC budget, Mr, 168
Euratom budget approved, Ja, 8
Euratom budget approved, Mr, 160
Euratom budget, O, 770
Nuclear budget up in Japan, Mr, 166

C

CIVIL ENGINEERING
Construction and installation work at Oskarshamn, D, 995-8

CONFERENCES AND MEETINGS
AIF annual meeting – San Francisco, Ja, 3
AIF-ANS convention, F, 101-2
AIF-ANS convention, Mr, 271-3
American Electric Power Conference – Initial report, Jn, 480
American Electric Power Conference – final report, Jy-Au, 633-5
Bombay nuclear power seminar, A, 355-6
Canadian Nuclear Association annual conference, Jy-Au, 635-8
Engineering with nuclear explosives, A, 353-5
Environmental aspects of nuclear power, O, 826-30
Foratom Congress, S, 713
Foratom Congress, N, 930-32
Foratom Congress, part 2, D, 1012-14
Fresh water from the sea, D, 1009-1011
Gas-cooled reactor meeting at Oak Ridge, Jy-Au, 631-2
General concern at AIF-ANS convention, Ja, 13
Geneva Conference, O, 770
Industrial carbons and graphite, Jn, 531-2
Non-destructive testing of nuclear reactor components, A, 356-7
Nuclear gas turbines, Jn, 533-4
Nuclear power integration, D, 965
Nuclear power performance, Ja, 8
Nuclex 69 Technical Sessions – final report, F, 99-100
PCPV's and their thermal insulation, Second International Conference, Brussels – November 18 to 20, Ja, 51-2
Performance of nuclear power reactor components, IAEA Symposium, Prague, November 10 to 14, Ja, 53-5
Plutonium and other actinides, D, 1014-15
Progress in safeguards techniques, S, 720-22
Radiation Protection Congress, by R. Holmes, Jy-Au, 620-22
Radiological protection, D, 965
Research reactor uses, S, 662
Sodium-cooled fast reactor components, My, 446-8
Strong emphasis on nuclear power at Chicago this year, A, 319

CANADA
B.C. Hydro may go nuclear, A, 315

CHILE
Reactor evaluation, F, 76

CORRESPONDENCE
FFTF management change, Jn, 471
GCFR test reactor not required, Ja, 5
Up boys and atom, Ja, 5
U.S.AEC budget, Jy-Au, 553

CZECHOSLOVAKIA
Russian PWR's replace GCHWR for power in Czechoslovakia, Jn, 473

D

DATA SHEETS
In-core neutron detectors, Jy-Au, facing page 602
Nuclear fuel fabrication, O, facing page 810

DESALINATION
California desalting study, Jn, 478
Desalination plant for Sweden, Ja, 12
Dubrovnik conference, D, 1009-1011
German site, O, 776
Pakistan study, S, 669
Puerto Rico studies, O, 780
Surfside shelved, Mr, 167

E

ECONOMICS
CANDU cost inflation, S, 667
Cost escalation, Jn, 469
Kansai agreement, S, 669
Loan for Tihange, D, 966
Nuclear economics study, Jy-Au, 562
Nuclear generation growth world-wide, N, 933
N. Power cost trends in U.K., F, 78
Oil versus uranium, O, 770
Ontario Hydro's cost equation, D, 966
Reactor price increases in FGR not due to rationalisation, Jy-Au, 555

EDITORIALS
AEC chairmanship, My, 379
Anglo-French attitudes, N, 853
As low as practicable, My, 381
BNF and BNF, BRDC and BNDC AEB but no AEA, A, 309
Bonanza down under, O, 767
A boomerang movement, F, 71
Carry on for Euratom, O, 765
CEA annual report, S, 659
CIP and LMFBR austerity budgets, Mr, 155
Coal comfort, F, 71
Collaboration à la carte inevitable, Ja, 3
Concern about U.S. fast reactors, Ja, 3
Cost escalation, Jn, 469
Disappointing at Foratom, N, 855
Dungeness B reckoning, Jy-Au, 551
European ideals, A, 311
European industrial complexity, Jn, 469
Environment matters, S, 657
Exponential growth in the 70's, Mr, 155
FFTF Financing, N, 853
Fuel for Foratom, S, 659
Further challenge to European enrichment projects, D, 961
Highland fling, A, 311
It's the criteria that matter. Jy-Au, 551
Let's improve our image, D, 959
Marviken – a heavy blow for D_2O, My, 379
Monkey in the middle, D, 961
New look from Paris, N, 855
Not nuclear enough, S, 659
Nuclear progress at New York, A, 311
Practicality of NPT safeguards, Jy-Au, 553
Reasonable compensation or recovery of cost, O, 767
The right environment, F, 69
Sea bed siting, F, 71
Shocking times, Jn, 469
Sinking slowly, D, 959
Sorting out the environmentalists, Mr, 157
Still in the dark, F, 71
TNPG-KWU discussions, N, 855
TVA sets the pace again, O, 767
Two years for what?, O, 765
What a dilemma for BNDC, Mr, 157
What price urban siting, My, 381

ENRICHMENT
Anglo-French attitudes, N, 853
Australia to get know-how, A, 314
Belgium for centrifuge link, A, 314
Centrifuge agreement, Ja, 8
Centrifuge agreement signed, A, 314
Centrifuge interest in Canada, My 385
Centrifuge know-how, F, 71
Centrifuge links, O, 776
Centrifuge offer to Australia, O, 775
Centrifuge proposals to Italy, Jn, 476
Discussion at Foratom Congress, N, 931
End secrecy call by Japan, N, 857
Enriched uranium from France, Mr, 165
Enrichment costs controversy in U.S.A., Jy-Au, 567
Enrichment group in Italy, S, 668
Euratom contract, Jn, 474
European enrichment, Jy-Au, 556
Further centrifuge progress in Japan, Mr, 166
Further challenge to European enrichment projects, D, 961
Model T Centrifuge, A, 311
New AEC criteria Jy-Au, 551
New enrichment process, Jy-Au, 551
Nozzle enrichment, Jn, 476
Reasonable compensation or recovery of cost, O, 767
Roux on conversion, D, 968
Separation stage in India, N, 861
Soviet enriched U in the 70's for Sweden, D, 968
Terms agreed on three-nation centrifuge plans, F, 74
Toll enrichment services in U.S.A., A 318
Ultracentrifuge firm Ja 10
U.S.AEC enrichment charges increased O 769

Enrichment continued
U.S.-Euratom deal is easier Ja 8
U.S.-F.G.R. uranium enrichment deal S, 661
U.S. offers enrichment to Australia, My, 385
U.S. plan to share secrets, D, 963

ENVIRONMENT
Anti-nuclear protests, S, 670
Ban reactor bill, A, 318
Environmental aspects of nuclear power – New York meeting, O, 826-30
Environmental matters concerning nuclear electrical power production – article by J. J. Dinunno and S. Levine, Jy-Au, 607-12
Environment systems department formed by Westinghouse, Ja, 15
Growing controversy in U.S.A., F, 69
Let's improve our images, D, 959
New York conference, S, 657
The nuclear promise – article by General Electric staff, Jy-Au, 613-6
Perspective of environmental problems associated with nuclear power plants – article by J. H. Wright and W. H. Davis, Jy-Au, 617-20
Pollution study in Japan, A, 316
Radiation Protection Congress – article by R. Holmes, Jy-Au, 620-22
Sorting out the environmentalists, Mr, 157
Thermal effects research, N, 864

EURATOM
Collaboration à la carte inevitable, Ja, 3
Questions on supply agency infringement, My, 383
Research budget – comment, O, 765
Research centres, My, 384
Restructuring the JRC, Jn, 474
Sinking slowly – editorial comment, D, 959
What hopes now? D, 964

EXHIBITIONS
AtomFair Preview, N, 935-8
16th Chemical Engineering Exhibition, Jy-Au, 638-9
The Physics Exhibition 1970, My, 449

F

FAST REACTORS
Al buy U.K.AEA FBR fuel licence, S, 661
Breeder power reactor, S, 668
CFR slipping back, Jy-Au, 555
FBR project group, F, 77
Gas cooled breeder study group set up in Europe, Ja, 7
GCFR test reactor not required, Ja, 5
LMFBR project definition phase in U.S. programme, Ja, 7
More new members of GBR, Jy-Au, 556
Not LMFBR or GCFR but FBR – article by C. A. Rennie, Jy-Au, 629-31
Rapsodie starts up again, O, 776
SNR project management, Ja, 11
Sodium cooled fast reactor components, My, 446-8
Swedish firms join A.I. FBR project, N, 963
U.S. concern, Ja, 3
U.S. program, N, 901

FORATOM CONGRESS
Report – part 1, N, 930-32
Report – part 2, D, 1012-14

FRANCE
CEA's future, Jn, 475
CEA over-capacity, A, 315
CEA subsidy cut, N, 860
Committee probes CEA's future as EdF gets enrichment go-ahead, F, 76
Decision "too late", Ja, 10
EdF calls in LWR bids for Fessenheim site, Mr, 159
Fast breeders for 1985, Ja, 10
Reorganization of CEA, N, 855

FUEL
Asian fuel scheme, Jy-Au, 556
Big Hex, contract, A, 317
Booster fuel for Bruce, Jy-Au, 561
Burnable poison dispersion in UO_2 fuel, A 345-9
Columbia fuel manufacturing plant, O, 817-21
Community fuel industry, N, 858
Defective rods found at KWL, O, 776
Doel contract award, F, 75
Fuel and fuel cycle for Pickering – article by G. R. Fanjoy and A. S. Bain, Jn, 514-5
Fuel fabrication at ASEA-Atom, S, 709-710
Fuel handling facilities and radioactive treatment plant for Palisades, Ja, 37
Hex agreement with Japan, A, 316
Hex plant study in South Africa, Jy-Au, 564
High burnup irradiation experience in Vulcain, by J. Storrer and D. H. Locke, F, 93-9
Japan's first fuel facility opened, S, 669
Jervis Bay fuel, D, 965
Manufacturing problems of advanced fuels, O, 811-17
Nuclear fuel contracting alternatives and problems, O, 803-8
Nuclear Fuel Fabrication, Technical Survey No 2, O, 803-21
Nuclear fuel cycle industry in the U.S.A., N, 913-16
Oconee fuel assembly design, A, 342-4
Oil firm to make N fuel, Mr, 166
Oskarshamn fuel and fuel cycle, D, 992-5
Pressurization improves fuel rod reliability, H. M. Ferrari, Jy-Au, 623-5
Separation of U-233, D, 967
Swedish fuel for MZFR, F, 77
Supply contract, My, 386
Uranium for Borssele, Jy-Au, 564
Uranium hex pilot plant in Italy, My, 387
U.S. contract for AEA, O, 778

G

GERMANY
Two stations near Munich, F, 77

H

HEAVY WATER
D_2O reactor concept, S, 668
D_2O supply windfall from Marviken, Jy-Au, 561
First D_2O at Pt. Hawkesbury, N, 857
Fresh water for Glace Bay, Jy-Au, 561
Marviken D_2O purchased, O, 777
Natural water distillation plant, S, 717-19
Next D_2O plant to cost $11 million, N, 859
Ottawa saves Deuterium, My, 385
Second heavy water plant for India, D, 967

HUNGARY
Nuclear station agreement, N, 861

I

INDIA
Atomic energy development budget, My, 387
Bombay seminar, A, 355-6
Nuclear power plans, Jy-Au, 563

INDUSTRY
ASEA-Atom fuel plant, My, 388
Atomic International commercial nuclear activities, N, 917-8
Austriatom gets Atucha order, S, 662
Babcock-Fives merger, Mr, 165
Battelle hand over FFTF project management to Westinghouse, Mr, 159
Boilermakers merger, Jy-Au, 566
Breda gets vessel for fourth station, My, 387
CEM turbine for Oyster Creek, My, 390
Changes at GGA, N, 864
Combustion Engineering and nuclear power, N, 920-22
Components for SNR, N, 866
Comurhex formed, N, 860
Election delays plans for U.K. fuel company, Jn, 477
Electro-Watt in Finland, D, 967
FBR contract, O, 779
Fiat take over SORIN, O, 776
Finnatom contracts, N 860
Gas cooled breeder study group set up in Europe, Ja, 7
Gulf General Atomic, N, 922-4
Heavy water plant for India, N, 866
HTGR group formed, Jy-Au, 562
HTR firms rationalised, Ja, 10
International Combustion changes, D, 969
KWU spread to Italy, D, 963
Neratoom join Comprimo, N, 862
New fuel supplier breaks into U.S. market, S, 661
No for Westinghouse on Jeumont-Schneider, bid, Ja, 7
Nuclear activities of Babcock & Wilcox, N, 919
Nuclear activities of General Electric, N, 925-7
Pressure vessel facility, Jy-Au, 567
Synatom for reactor work, Ja, 9
TNPG-KWU discussions, N, 855
Tremmel report, Mr, 273
Turbo-generator order, My, 390
U.S./U.K. turbine venture, Jn, 480
Westinghouse in Australian market, D, 965
Westinghouse in Europe, N, 858
Westinghouse moves in Europe, Mr, 169
Westinghouse moves in Europe, D, 963
Westinghouse nuclear activities, N, 928-9

INSTRUMENTATION
Application of in-core instrumentation systems – article by B. Schallopp, Jy-Au 604-6
Computer controlled turbine, Jn, 477
Control of nuclear power, Ja, 8.
In-core instrumentation, Technical Survey No 1, Jy-Au, 599-606
In-core neutron flux detectors for power reactors – article by A. Goodings, Jy-Au, 599-602
Radiation monitoring equipment for Beznau, My, 442-4
Sodium flow measurement in PFR, O, 822-25
Sodium flow monitoring, D, 1003-1007
Sodium process instrumentation for the Dounreay PFR, S, 714-17
Station control at Pickering, Jn, 511-13
Station control for Palisades, Ja, 40
Turbine run-up by auto-computer highly successful, A, 313

INSURANCE
Liability bill in Canada, Jy, Au, 561

INTERNATIONAL BUYERS' GUIDE 1970
Directory of nuclear products and services: 219-268

IRELAND
Irish membership of IAEA, F, 77

ITALY
Changing CNEN outlook, Jn, 476
Reactor for industry, F, 77

J

JAPAN
Construction applications, O, 777
Demand for electricity, F, 78
Hokuriku site selected, A, 316
HTR interest grows, O, 777
Major PNC centre opened, Jn, 476
Revised nuclear plans, Mr, 166
Uranium needs, My, 387

L

LICENSING
AEC license fees up, O, 779
AIF conference report, Mr, 271
Discharges into Lake Michigan, N, 864
Licensing process critic, O, 779
Operation permit application for KNK, D, 967
Regulatory procedures in the U.S.A., N, 910-13

M

MARINE PROPULSION
B & W propulsion contract, O, 780
Joint N-ship work, Japan-Germany, S, 669
Nuclear safety record, N, 858
Nuclear ship progress, Jy-Au, 564
Nuclear ship progress on Japan, F, 78
Proposals for NS Savannah, Jn, 478
Second core for "Otto Hahn", S, 668
Second nuclear ship, Jn, 476
Submarine looked over, Ja, 10
Submarine tankers, F, 80
Submarine tankers, Jy-Au, 567
Two icebreakers planned, My, 389

MATERIALS
Big Zircaloy vessel, S, 667
Canning materials for faster reactor fuel rods, by Göran Lagerberg and Lennart Egnell, Mr, 203-7
Duplex zircalloy tubes, F, 76
Fuelled graphite for s/h steam, F, 76
Zirconium plant in India, Jy-Au, 563

N

NEW ZEALAND
Nuclear delay proposed, O, 777
Thermal station may be nuclear, D, 967

NORTUEN
La Ronde, N, 855
Shades of Dr. Coppelius, D, 961

NUCLEAR INDUSTRY CHART No. 8 Switzerland My, facing page 434

NUCLEAR INDUSTRY CHART No. 9 Sweden, S, facing page 704

NUCLEAR INDUSTRY CHART No. 10 U.S.A. N, facing page 904

O

OPERATING EXPERIENCE
Performance of nuclear power reactor components/ IAEA Symposium, Prague November 10 to 14, Ja, 53-5

ORDERS
ACEC of Belgium gets Roopur PWR contract, F, 73
Belgian PWR for Rooppur, S, 667
Breda PV contract, F, 78
Brunsbüttel vessel ordered, Ja, 11
CE to build 1165 MW plant, N, 857
Doel contract award, F, 75
EdF chooses PWR for Fessenheim, N, 857
Eichau station – AEG BWR selected, A, 313
ENEL orders BWR for fourth nuclear power station, Ja, 7
ENEL places order for fourth nuclear station with Ansaldo, F, 77
ICI orders Triga, Jy-Au, 565
Oyster Creek 2 contract goes to PWR manufacturer, F, 73
Russville, Jn, 482
San Onofre 2 & 3, Mr, 167
Taiwan's first station, Ja, 12
TNPG get their hand oily, My, 383
U.S. order for Hitachi, O, 777
Westinghouse get North Anna II, My, 383
Zirconium calandria for research reactor, Ja, 12

P

PAKISTAN
Nuclear power needed, Jy-Au, 564
Soviet science team, Jn, 477

PLOWSHARE
Conference on Engineering with nuclear explosives, A, 353-5
Nuclear explosions in South Africa, O, 777
Plowshare proposal, O, 779
Project Rulison analyses, N, 863

PLUTONIUM
CNEN Pu fuel in Kahl BWR, Ja, 11
Nuclex report, F, 99-100
Plutonium fuel for Dresden, A, 316
Plutonium fuel research, Jn, 477
Plutonium fuel study at San Onofre, Mr, 169
Plutonium in CANDU, S, 667
Plutonium purchase by Nukem, My, 386
Plutonium recycle priority, O, 775
Pu element for Lingen, F, 77
Pu fuel estimates, O, 775
Pu fuel for FCA, F 78
Pu plugged by Seaborg N 863
Santa fe meeting D, 1014-15

POLAND
Nuclear commission set up, D, 968
Nuclear design work, O, 777
Power Reactors 70 – World Directory 109-134

POWER REACTORS 70 – World Directory, F, 109-134

POWER STATIONS
Argentina
Atucha CNA progress, F, 103

Australia
Jervis Bay agreement, N, 859
Jervis Bay station, Ja, 8
No Yankee PWR for Jervis Bay, Jn, 474
Tenders for Jervis Bay, A, 314

Belgium
Chooz restarting, A, 319

Bulgaria
Kozludui 1 & 2 progress, F, 103
Work starts on PWR, Jy-Au, 556

Canada
Bruce Nuclear Power Development, F, 104
Bruce has KANUPP type fuel machine, N, 858
Douglas point hits 80%, N, 860
Gentilly, F, 103
Gentilly starts operation, D, 966
Pickering Generating Station, F, 104
Pickering Generating Station – special feature, Jn, 501-26

Czechoslovakia
Second station purchase, Jy-Au, 562

France
Bugey, F, 105
Decision this Autumn on Fessenheim, Jy-Au, 562
EdF chooses PWR for Fessenheim, N, 857
Phenix Marcoule, F, 105
St. Laurent des Eaux 1, F, 105
St. Laurent 2, F, 105
Saint-Laurent progress, Jn, 475

Germany
BASF chose Stade copies, F, 71
BASF letter of intent, F, 79
BASF siting, My, 381
BASF project delayed, S, 668
BASF statement, O, 776
Brunsbüttel Nuclear Station, Ja, 11
Decision in Bavaria Mid-1970, My, 386
Go-ahead for THTR, Jy-Au, 563
HDR Grosswelzheim, F, 105
HDR on power, O, 776
Karlsruhe KNK, F, 105
KKN Niederaichbach, F, 106
KKS Stade, F, 106
Koblenz nuclear station, N, 860
KRB nine-month run, Jy-Au, 563
KWSH Geesthacht, F, 107
KWW Würgassen, F, 106
Neckar negotiations, N, 861
New site for Eichau station – AEG BWR selected, A, 313
New site for SNR, D, 967
NIG to manage Kahl fuel, Jn, 476
Option on Philippsburg – 2, S, 668
Philippsburg BWR details, Jn, 476
RWE plans LWR for Koblenz, D, 967
SNR Weisweiler, F, 107
TWS 600 MW(e) station, Jy-Au, 562

India
Rajasthan Rapp 1 progress, Mr, 208
Rajasthan Rapp 2 progress, Mr, 208
Tarapur 1 & 2 progress

Italy
Cirene, Latina progress, Mr, 209
ENEL orders BWR for fourth nuclear power station Ja 7
Prospects of Trino operation, Ja, 11
Trino back in action, A, 316
Trino on full power, Jy-Au, 563

Korea
First power plant, Jy-Au, 565

Japan
Chubu builds BWR, Jy-Au, 564
Fukushima 1, F, 107
Fukushima I critical, Jy-Au, 555
Fukushima 2, F, 108
Fukushima No. 3 reactor, Jn, 476
High load factor at Tsuruga, N, 862
Kyushu PWR plans, Jy-Au, 564
Mihama 1, F, 108
Mihama 1 on-line, S, 669
Mihama 2, F, 108
PWR site earmarked by Shikoku, N, 861
Shimane 1, F, 108
Takahama 1, F, 108
Tsuruga power up, Ja, 11
Tsuruga 1, F, 107

Power Stations continued
Tsuruga full power, A, 319
Tsuruga handed over, My, 387
Tsuruga in operation, Jy-Au, 564
Tsuruga in operation, Jy-Au, 564

The Netherlands
Borssele progress, Mr, 209

Pakistan
ACEC gets Roopur PWR contract, F, 73
Kanupp passes leakage test, Ja, 9
Kanupp progress, Mr, 209
Kanupp nears completion, My, 388
Rooppur – Belgian PWR, S, 667
Second station project, My, 388

Puerto Rico
PWR power station for Puerto Rico, Jn, 473

Spain
Jose Cabrera & Zorita 2 progress, Mr, 209
Santa Maria de Garona progress, Mr, 210
Vandellos progress, Mr, 210

Sweden
BHWR abandoned, Mr, 388
Forsmark bids invited, D, 968
Marviken progress, Mr, 210
Marviken – close down, My, 379
Marviken – background to the decisions – article by AB Atomenergi staff, edited by P. H. Margen, Jn, 527-8
No BWR swop at Marviken, Jy-Au, 555
Oskarshamnsverket 1 progress, Mr, 210
Oskarshamnsverket 2 progress, Mr, 211
Oskarshamn and Barsebäck, S, 712
Oskarshamn – special feature. D, 987-1002
Ringhals 1 & 2 progress. Mr, 210

Switzerland
Beznau, My, 429
Kaiseraugst discussions, D, 968
Leibstadt project reactivated, Jy-Au, 565
Leibstadt project, D, 968
Mühleburg, My, 432
Mühleberg construction, D, 969
Mühleberg progress, Mr, 211
NOK Beznau 1 progress, Mr, 211
NOK Beznau 2 progress, Mr, 211

Taiwan
First station ordered, Ja, 12

U.K.
CEGB talks on Sizewell B, O, 778
Dungeness B boiler lifting gantry, Mr, 167
Dungeness B progress, Mr, 212
Dungeness B payments, S, 670
Halt at Hartlepool, Jy-Au, 553
Hartlepool progress. Mr, 213
Hartlepool vessel halted, Jy-Au, 566
Hartlepool PV work, O, 778
Hinkley Point B progress, Mr, 212
Hinkley B leads AGR race, Jy-Au, 566
Hunterston B progress, Mr, 213
New agreement for Dungeness B, O, 778
North of Scotland Hydro may be first 1000 MW(e) SGHWR prospect, A, 313
Official no for Stourport, D, 969
PFR Dounreay progress, Mr, 212
Sizewell B design contract placed, D, 963
Stake Ness, A, 311
Vacuum cleaning at Wylfa, Jy-Au, 565
Wylfa progress, Mr, 211

U.S.A.
Arkansas 1 progress, Mr, 218
Beaver Valley progress, Mr, 218
Biggest yet reactor reaches initial criticality, Mr, 159
Browns Ferry 1, 2 & 3 progress, Mr, 216
Calvert Cliffs 1 & 2 progress, Mr, 218
CE plant for Louisiana, N, 857
Cooper progress, Mr, 217
Crystal River progress, Mr, 218
Donald C. Cook 1 & 2, Mr. 217
Dresden 2 & 3 progress, Mr, 214
Dresden 2 critical again, S, 671
Edwin I. Hatch progress, Mr. 218
First big PWR gives good performance, Jn, 479
Fort Calhoun progress, Mr, 216
Fort St. Vrain HTR progress, Mr, 216
Fort St. Vrain progress, Jn, 478
Haddam Neck progress, Mr, 213
H. B. Robinson plant goes critical, N, 857
H. B. Robinson 2 progress, Mr, 214
Indian Point 2 & 3 progress, Mr, 217
Indian point shutdown, Jy-Au, 567
Kewaunee progress, Mr, 218
La Crosse LACBWR progress, Mr, 214
Leaky pipes at Nine Mile Point, A, 318

Power Stations continued
Maine Yankee progress, Mr, 217
Millstone 1 progress, Mr, 215
Monticello progress, Mr, 214
New Indiana plant, O, 779
Newbold Island plant setback, A, 318
Nine Mile Point progress, Mr, 214
Nine Mile Point operational, Jy-Au, 566
North Anna II order, My, 383
Oconee nuclear power plant, A, 337
Oyster Creek full power Ja, 13
Oyster Creek in operation, Mr, 169 ...
Oyster Creek 2 contract goes to PWR manufacturer, F, 73
Palisades PWR nuclear power station, Ja, 27
Palisades progress, Mr, 214
Peach Bottom 2 & 3 progress, Mr, 215
Pilgrim station progress, Mr, 216
Point Beach 1 & 2 progress, Mr, 215
Prairie Island 1 & 2 progress, Mr, 217
Quad Cities 1 & 2 progress, Mr, 215
Rancho Seco progress, Mr, 218
Robert E. Ginna progress, Mr, 214
Salem 1 & 2 progress, Mr, 217
San Onofre 2 & 3 orders, Mr, 167
Seal troubles at Oyster Creek, Jn, 478
Seneca 1 & 2, Jn, 482
Sequoyah 1 & 2 progress, Mr, 218
Surry 1 & 2 progress, Mr, 216
Third contract this year, Jn, 482
Three Mile Island progress, Mr, 217
Trojan progress, Mr, 218
Turkey Point 3 & 4 progress, Mr, 215
TVA orders four more large reactors, O, 769
Vermont Yankee progress, Mr, 215
Zion 1 & 2 progress, Mr, 217

U.S.S.R.
Armenian reactor, My, 389
Beloyarsk at capacity, Mr, 169
Graph/BWR performance excels, D, 370
Leningrad station, My, 389

PRESSURE VESSELS
Atucha vessel delay, Jn, 474
B & W subcontract vessel, My, 388
Nozzles failing, Jn, 478
PCPV's and their thermal insulation, Ja, 51-2
TVA look at stainless steel, My, 389
Uddcomb's new workshop for heavy nuclear vessels, S, 710-12

R

REACTORS
AGR
Sizewell B Design contract placed, D, 963

BWR
Biggest yet reactor reaches initial criticality, Mr, 159
Eichau order, A, 313
ENEL orders BWR for fourth nuclear power station, Ja 7
Oskarshamn – special feature, D, 987-1002
Oyster Creek full power, Ja, 13

Fast
Delays on the FFTF, N, 863
DFR back on power, O, 778
Enrico Fermi powers up, O, 780
Fermi at full power, D, 963
FFTF financing, N, 853
FFTF started, O, 779
FR 3 meeting planned, N, 860
New site for SNR, D, 967
Rapsodie starts up again, 0, 776
SEFOR operates at 17·5 MW(th), N, 863
SNR delayed, O, 776

FBR
Application for SNR permit, A, 319
Battelle hand over FFTF project management to Westinghouse, Mr, 159
Demo run for Enrico Fermi FBR, Mr, 167
EFR consortium in Japan, Jn, 477
FFTF vessel ordered, Jy-Au, 567
The future for Fermi, Jy-Au, 567
PEC contact, A, 319
PFR progress, Mr, 212
Phenix progress, F, 105
Phenix progress, Jy-Au, 562
SNR progress, F, 107

Superheat
HDR on power, O, 776

HTR
CEGB hopes for the HTR, N, 862
Fort St. Vrain progress, Mr, 216

Reactors continued
Fuel critical for HTGR, My, 389
Gas turbine HTR go-ahead, N, 861
GGA's latest design, Mr, 168
Go-ahead for THTR, Jy-Au, 563
HTR Nuclear power station offers ahead, Jy-Au, 555
Peach Bottom full power, S, 671
Progress on two German HTR projects My, 386

HWR
Gentilly starts operation, D, 966
Mark II fuelling machines for NPD, Ja, 9
Marviken – close down, My, 379
Minor pin leak in SGHWR Jn, 477
Pickering – Special feature, Jn, 501-26

LWBR
U.S. reactor development program, N, 902

Molten Salt
Utility group formed, S, 671
New lab reactor, Jn, 475

Organic
Organic technology aims, A, 315

PWR
EdF chooses PWR, N, 857
North Anna II order, My, 383
Oconee NSSS, A, 339
Oyster Creek 2, F, 73
Palisades nuclear steam supply system, Ja, 34
San Onofre 2 & 3 orders, Mr, 167
Taiwan order, Ja, 12

Research
HTLTR experiments, Ja, 13
ICI orders Triga, Jy-Au, 565
MTR retires, Jn, 478
NRU replacement vessel, Mr. 165
Petten power up, A, 316
Slowpoke self-regulating, N, 860
SORA reactor proposal, My, 387

Sodium cooled
Sodium charged in KNK, Ja, 10

REPORT REVIEW
Analysis of Rod Drop and Pulsed Source Measurements of Reactivity in the Winfrith SGHWR, by I. Brittain, N, 934
Atmospheric Diffusion, L. E. Haeggblom, C. Gyllander and U. Widemo, D, 1015
Crack Stress Intensities for Pressurized Cylinders, O, 831
Current Knowledge of Zirconium Alloys for Reactor Usage, Mr, 274
Defects in Quenched Zirconium are discussed by M. L. Swanson, G. R. Piercy, G. V. Kidson and A. F. Quenneville – AECL-3428, D, 1015
Development of the Phosphate Glass Process for Ultimate Disposal of High Level Radioactive Wastes, Mr, 274
Dragon High Temperature Gas Cooled Reactor Dynamic Response Measurements, April 1969, and Optimum Parameter Fitting, Jy-Au, 640
EEC Commission report, A, 314
An Experimental Study of the Accuracy of Compensation in Lithium Drifted Germanium Detectors, A, 360
Fuel Performance in the Prototype SGHWR Power Station, Jy-Au, 640
Future reprocessing in Europe, Jn, 529-30
A Gamma Scanner using a Ge(Li) Semiconductor Detector, with the Possibility of Operation in the Anti-co-incidence Mode, by R. S. Forsyth and W. H. Blackadder, D, 1015
Immediate Relation of ING to Fast Breeder Reactor Programmes, by W. Bennett Lewis, F, 138
An Industrial Scale Ion Implantation Facility, by J. H. Freeman, L. R. Caldecourt, K. C. W. Done and R. J. Francis, N, 934
Investigation of the Distribution of Radioactive Fission Product Nuclei in Irradiated Fuel Specimens by Precision Gamma-Ray Scanning, A, 360
Manufacture and Examination of Dispersion-strengthened Aluminium Products—Experimental Procedures, A, 360
Metallurgical Examination of a Cold-worked Zircaloy-2 Pressure Tube irradiated in the U-2 Loop, W. J. Langford, D, 1015
Needle-type Solid State Detectors for In Vivo Measurement of Tracer Activity, A. Lauber and M. Wolgast, N, 931
Neutron Radiography of Metal Bonds, Alloys, Active Reactor Fuel Eelments, Diffusion of H into Zr and Diffusion H_2O-D_2O by K. Chountas and H. Rauch, O, 831
Neutron Spectrum Measurements over a Wide Energy Range using a Single Semi-conductor Spectrometer, M. G. Silkand S. B. Wright, N, 934
The Place of the Fast Reactor in Commercial Power Development, Ja, 56
Probability Approach to Safety Analysis by M. C. Pugh, O, 831
A Review of Heavy Water Production Processes, Jy-Au, 640
Risk Evaluation for Stack Releases, by G. D. Bell and Miss J. Houghton, D, 1015
Risk Evaluation in Relation to the Protection of the Public in the Event of Accidents at Nuclear Installations, by G. W. Dolphin and W. G. Marley, F, 138.
The Role of Turbulence in the Vibration of Reactor Fuel Elements in Liquid Flow, Mr, 274
Some Limiting Aspects of UO_2 Performance, Jy-Au, 640
UO_2 Impregnated Graphite Fuel Elements Clad in Zircaloy Irradiated to Burnups of 20% FIFA, A, 360
Uranium resources, production and demand, ENEA-IAEA, N, 932-4

REPROCESSING
Allied-Gulf good start, My, 389
Eurochemic contract, Mr, 160
Foratom Report, N, 858
Future reprocessing in Europe, Jn, 529-30
GWK wins PWR fuel contract, S, 668
Latina fuel goes EUREX, F, 77
Nine jobs for Barnwell, O, 779
Nuclear fuel partnership, A, 318
Pilot plant in Japan, O, 776
Plant delay in Japan, N, 861
Talks between European operators, Jn, 473
WAK operating, F, 77

ROCKET PROPULSION
Cavity Reactor space potential, N, 864

RUMANIA
Market cornered by U.S.S.R., Jn 482
Rumania drops nuclear plan, O, 777

S

SAFEGUARDS
Advances in 1969 of NPT, F, 74
AIF Report, Mr, 272
Plenty of problems for safeguards committee, My, 384
Practicality of NPT safeguards, Jy-Au, 553
Progress in safeguards techniques, S, 720-22
Safeguards for Tarapur, My, 387
Treaty reservations, My, 385

SAFETY
Accident study, Jn, 475
As low as practicable, My, 381
BASF project delayed, S, 668
IAEA meeting, F, 75
Ice condenser reactor containment system, Ja, 47-50
JEFR safety report, A, 316
Jervis Bay safety, Jy-Au, 556
Monticello report, Mr, 169
Nuclex report, F, 100
Radiation Protection Congress – article by R. Holmes, Jy-Au, 620-22
Westinghouse offer total containment at $1/kw, Jn, 473

SITING
BASF choose Stade copies, F, 71
BASF project delayed, S, 668
Chugoku island survey, A, 317
First urban sited AGR, Ja, 13
Four-reactor island, My, 389
New site for SNR, D, 967
Off-shore power stations, Jn, 476
Official 'No' for station, D, 969
Power station sites for CEGB, Ja, 12
Reactors in cities, My, 389
Reactor safety meeting, Jy-Au, 556
Sea bed siting, F, 71
SNR delayed, O, 776
Two years for what – BASF decision, O, 765

SODIUM TECHNOLOGY
50 MW Sodium component test facility, D, 1007-1008
Sodium cooled fast reactor components, My, 446-8
Sodium flow measurement in PFR, O, 822-825
Sodium flow monitoring, D, 1003-1007
Sodium loop in Italy, S, 668

SOUTH AFRICA
Atomic Energy Board members, D, 968
Reactor evaluation, Mr, 166
Three station plan, My, 388

SPAIN
Energy Forecast, Ja, 11

SWEDEN
The energy situation and the role of nuclear power by Nils Holmin, S, 699-703
District heating plans. S, 670
National Survey, S, 697-713

SWITZERLAND
Government in the field of atomic research, by Dr. J. M. Pictet, My, 420-21
Station sites approved, Mr, 167
University research, by Prof. Dr. W. Hälg, Prof. Dr. J. P. Schneeberger and Dr. J. M. Pictet, My 421-2

T

TAIWAN
Second BWR option, S, 670
TECHNICAL SURVEY No 1 In-Core Instrumentation, Jy-Au, 599-606
TECHNICAL SURVEY No. 2 Nuclear Fuel Fabrication, O, 803-21

TRANSPORT
New fuel ship company, S, 672
Spent fuel shipment, Ja, 11.

U

UNITED ARAB REPUBLIC
Arab power reactor proposal, My, 393

U.K.
Big changes on U.K. scene, A, 317
CEGB applies to build three more nuclear stations, Mr, 159
Consolidation year – AEA report, D, 969
Corrosion repairs soon, A, 317
Energy policy, S, 659
Reactor corrosion may cost up to £10 million, Ja, 12.
Reorganization of AEA, A, 309
Research corporation proposed, F, 78

URANIUM
Australia legislation, N, 859
Bonanza down under, O, 767
Canadian legislation, N, 860
Canadian Government rules on foreign ownership My, 393
Contract for Mary Kathleen, Jn, 474
Contracts for MKU, S, 667
Denison closure threat, O, 775
Denison-Tepco: a forward contract, Mr, 165
Deposits in Pakistan, S, 669
Deposits in Pakistan, D, 968
Europe's fuel needs, A, 314
Go-ahead for RTZ in South Africa, Jy-Au, 565
Japanese deals with France, Mr, 160
Largest ever uranium strike claimed in Australia O, 769
Major uranium find in Australia, F, 75
Mine decision in South Africa, A, 317
Mining doubts for Japanese, N, 861
Mozambique uranium deal, A, 316
Nabarlek possibilities, D, 965
New deposits in Australia, F, 75
New ore deposits found in India, Jn, 476
Pechiney Krators venture, My, 385
Prospecting for Japanese in Australia, N, 861
Prospecting in Angola, My, 386
Radiation problems for Australia mines, N, 859
Rich uranium find in Argentina, O, 770
Rossing progresses, O, 777
RTZ worries about Trudeau rule change, My, 385
Scottish uranium, O, 778
South African mine planned, Mr, 166
Step-down on new rules, Jn, 474
Study stockpiling in Canada, Jy-Au, 561
Uranium assessment in Pakistan, My, 388
Uranium contract, Japan-France, Jy-Au, 564
Uranium find Austria
Uranium in northwest Australia, Jy-Au, 556
Uranium resources, production and demand, ENEA-IAEA Report, N, 932-4
Uranium strike reported, Australia, Mr, 165

U.S.A.
AEC budget authorizations slight increase, Jn, 479
CIP and LMFBR austerity budgets, Mr, 155
U.S. Survey, N, 897-929

W

WASTE DISPOSAL
AEC Waste Division, S, 671
Nuclear waste storage, S, 670
Radioactive wastes management, N, 858
Radioactive waste tests, D, 969
Salt mine for wastes, O, 780
Waste disposal project in U.S.A., N, 864

THE WORLD'S REACTORS
No. 49. – Pallisades, Ja, facing page 34
No. 50 – Oconee, A, facing page 344
No. 51 – Pickering, Jn, facing page 508
No. 52 – Oskarshamn D, facing page 994

Y

YUGOSLAVIA
Two station plan, N, 864

Printed in Great Britain by GEORGE ROSE PRINTERS, Zion Road, Thornton Heath, Surrey.